

IN THE CLAIMS

Please cancel claims 1-12.

Insert new claims 13-47, as follows:

13. (New) A method of transmitting information, comprising:

generating a first data table comprised of at least one message;

forming a first bit stream that includes said first data table;

generating at least one further data table that includes at least one index which identifies a location of said message within said first data table;

forming at least one second bit stream that includes said further data table; and

transmitting said first bit stream and said second bit stream.

14. (New) The method of claim 13, wherein said message includes at least one piece of data selected from the group consisting of an originator of said message, a level of said message, an attribute of said message, and an identification number of said message.

15. (New) The method of claim 13, wherein said first data table includes a plurality of sections, and said index identifies one of said plurality of sections.

16. (New) The method of claim 15, wherein at least one of said plurality of sections includes a plurality of messages.

17. (New) The method of claim 15, wherein said further data table includes a plurality of indexes for identifying a corresponding section within said first data table.

18. (New) The method of claim 13, wherein said further data table includes at least one piece of data selected from the group consisting of an originator of said message, a level of said message, an attribute of said message, and an identification number of said message.

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19. (New) The method of claim 13, wherein said further data table includes at least one urgent message.

20. (New) The method of claim 13, wherein said first bit stream includes another data table having at least one index which identifies a location of a message within said first data table.

21. (New) The method of claim 13, wherein said first bit stream and said second bit stream correspond to respective transponders.

22. (New) The method of claim 13, further comprising:

forming a plurality of second bit streams including at least one additional data table having at least one index which identifies a location of a message within said first data table.

23. (New) The method of claim 22, wherein said index within said additional data table of at least two of said second bit streams identifies a common location within said first data table.

24. (New) The method of claim 22, wherein said first bit stream and said plurality of second bit streams each correspond to respective transponders.

25. (New) An apparatus for transmitting information, comprising:

a generating section for generating a first data table comprised of at least one message;

an encoder for forming a first bit stream that includes said first data table;

a further generating section for generating at least one further data table that includes at least one index which identifies a location of said message within said first data table;

a further encoder for forming at least one second bit stream that includes said further data table; and

an output for transmitting said first bit stream and said second bit stream.

26. (New) The apparatus of claim 25, wherein said message includes at least one piece of data selected from the group consisting of an originator of said message, a level of said message, an attribute of said message, and an identification number of said message.

27. (New) The apparatus of claim 25, wherein said first data table includes a plurality of sections, and said index identifies one of said plurality of sections.

28. (New) The apparatus of claim 27, wherein at least one of said plurality of sections includes a plurality of messages.

29. (New) The apparatus of claim 27, wherein said further data table includes a plurality of indexes for identifying a corresponding section within said first data table.

30. (New) The apparatus of claim 25, wherein said further data table includes at least one piece of data selected from the group consisting of an originator of said message, a level of said message, an attribute of said message, an identification number of said message.

31. (New) The apparatus of claim 25, wherein said further data table includes at least one urgent message.

32. (New) The apparatus of claim 25, wherein said first bit stream includes another data table having at least one

index which identifies a location of a message within said first data table.

33. (New) The apparatus of claim 25, wherein said first bit stream and said second bit stream correspond to respective transponders.

34. (New) The apparatus of claim 25, comprising a plurality of further generating sections for generating a plurality of second bit streams each including at least one additional data table having at least one index which identifies a location of a message within said first data table.

35. (New) The apparatus of claim 34, wherein said index within said additional data table of at least two of said second bit streams identifies a common location within said first data table.

36. (New) The apparatus of claim 34, wherein said first bit stream and said plurality of second bit streams correspond to respective transponders.

37. (New) A readable medium recorded with instructions for transmitting information, said instructions comprising:

generating a first data table comprised of at least one message;

forming a first bit stream that includes said first data table;

generating at least one further data table that includes at least one index which identifies a location of said message within said data table;

forming at least one second bit stream that includes said further data table; and

transmitting said first bit stream and said second bit stream.

38. (New) A method of receiving transmitted information, comprising:

receiving a first bit stream and at least one second bit stream;

forming, from said first bit stream, a first data table that is comprised of at least one message;

forming, from said second bit stream, at least one further data table that includes at least one index which identifies a location of said message within said first data table;

locating and reading said message in said first data table using said index stored in said further data table; and

providing notification of said message.

39. (New) The method of claim 38, wherein said further data table includes at least one piece of data selected from the group consisting of a level of said message and an

attribute of said message; and said notification is determined based on said level or said attribute of said message.

40. (New) The method of claim 38, wherein said further data table includes an urgent message; and said notification is determined based on a presence of said urgent message.

41. (New) An apparatus for receiving transmitted information, comprising:

a receiver for receiving a first bit stream and at least one second bit stream;

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a processor for forming, from said first bit stream, a first data table that is comprised of at least one message; said processor forming, from said second bit stream, at least one further data table that includes at least one index which identifies a location of said message within said first data table; said processor locating and reading said message in said first data table using said index stored in said further data table; and said processor providing notification of said message.

42. (New) The apparatus of claim 41, wherein said further data table includes at least one piece of data selected from the group consisting of a level of said message and an attribute of said message; and said notification is determined based on said level or said attribute of said message.

43. (New) The apparatus of claim 41, wherein said further data table includes an urgent message; and said notification is determined based on a presence of said urgent message.

44. (New) A readable medium recorded with instructions for receiving transmitted information, said instructions comprising:

receiving a first bit stream and at least one second bit stream;

forming, from said first bit stream, a first data table that is comprised of at least one message;

forming, from said second bit stream, at least one further data table that includes at least one index which identifies a location of said message within said first data table;

locating and reading said message in said first data table using said index stored in said further data table; and

providing notification of said message.

45. (New) A method of delivering information, comprising:

generating a first data table comprised of at least one message;

forming a first bit stream that includes said data table;

generating at least one further data table that includes at least one index which identifies a location of said message within said first data table;

forming at least one second bit stream comprised of said further data table;

transmitting said first bit stream and said second bit stream;

receiving said first bit stream and said second bit stream;

forming, from said first bit stream, said first data table;

forming, from said second bit stream, said further data table;

locating and reading said message in said first data table using said index stored in said further data table; and

providing notification of said message.

46. (New) A system for delivering information, comprising:

an apparatus for transmitting the information, including:

a generating section for generating a first data table comprised of at least one message;

an encoder for forming a first bit stream that includes said first data table;

a further generating section for generating at least one further data table that includes at least one index which identifies a location of said message within said first data table;

a further encoder for forming at least one second bit stream comprised of said further data table; and

an output for transmitting said first bit stream and said second bit stream; and

an apparatus for receiving the transmitted information, including:

a receiver for receiving said first bit stream and said second bit stream; and

a processor for forming said first data table from said first bit stream, and said first data table from said second bit stream, for locating and reading said message in said first data table using said index stored in said further data table, and for providing notification of said message.

47. (New) A readable medium recorded with instructions for delivering information, said instructions comprising:

generating a first data table comprised of at least one message;

forming a first bit stream that includes said first data table;

generating at least one further data table that includes at least one index which identifies a location of said message within said first data table;

forming at least one second bit stream comprised of said further data table;

transmitting said first bit stream and said second bit stream;

receiving said first bit stream and said second bit stream;

forming, from said first bit stream, said first data table;

forming, from said second bit stream, said further data table;

locating and reading said message in said first data table using said index stored in said further data table; and

providing notification of said message.